

OCT.—NOV.—DEC. 1928

The Osborn

—ESTD 1874—

Stock List

"Everything Used in Sheet Metal Work"



THE J. M. & L. A.
OSBORNE Co
CLEVELAND

Branch Warehouses, 54-56 Rapid Street, Buffalo

Telephones: Cleveland, Prospect 0804; Buffalo, Fillmore 5897

- SPECIALS -

All subject to prior sale

ODD ITEMS IN SHEET COPPER

| | |
|--|-------------|
| 25 Sheets 18 oz. 30" x 120" C. R. | 255 1/2 lb. |
| 4 sheets 22 oz. 30" x 120" C. R. | 24 1/2 lb. |
| 8 Sheets 32 oz. 30" x 96" C. R. | 24 1/2 lb. |
| 40 sheets 16 oz. 24" x 96" C. R. Tinned and Pol. | 89 1/2 lb. |
| 50 sheets 16 oz. 30" x 90" C. R. Tinned and Pol. | 37 1/2 lb. |
| 3 sheets 50 # 30" x 60" Braziers | 22 1/2 lb. |

USED TOOLS

| | |
|---|----------|
| 1—# 416 Chicago Steel Brake | \$ 60.00 |
| 2—# 818 Chicago Steel Brake | 100.00 |
| 1—# 816 Chicago Steel Brake | 140.00 |
| 1—# 814 Chicago Steel Brake | 200.00 |
| 2—P. S. & W. Cast Brakes | 60.00 |
| 1—30" P. S. & W. Bar Folder | 45.00 |
| 1—20" P. S. & W. Bar Folder | 20.00 |
| 1—# 2x30" Niagara Groover | 85.00 |
| 1—30" Nylon Groover | 25.00 |
| 1—2 x 30 Niagara Slip Roll Former | 18.00 |
| 2—P. S. & W. Wiring Machines | 10.00 |
| 1—Niagara Cornice Makers Computer | 12.50 |
| 1—P. S. & W. Circle Shear | 25.00 |
| 1—# 11 Niagara Ring & Circle Shear | 25.00 |
| 1—# 2 Rapid Slitting Shears | 85.00 |
| 1—# 2 Niagara Patch & Shear | 25.00 |
| 1—Power Bender | 25.00 |
| 3—30" Square Shears | 25.00 |
| 1—No. 100 Marshalltown Throatless Shear | 100.00 |
| 1—No. 18P Marshalltown Throatless Shear | 40.00 |
| 1—# 3 Little Blacksmith Angle Shear & Notcher | 85.00 |
| 1—5 H.P. Westing Electric Motor | 60.00 |
| 1—Welding Outh | 25.00 |

NEW ITEMS ARE COMING IN REGULARLY

NEW TOOLS

Slightly Shop-Worn

| | |
|--|----------|
| 3—# 525B—P. S. & W. Wiring Machines | \$ 20.00 |
| 1—# 200 P. S. & W. Adj. Gutter Bender | 18.00 |
| 1—# 562 P. S. & W. Setting Down Machine | 50.00 |
| 1—# 433 P. S. & W. Sq. Box & Pipe Former | 27.00 |
| 2—# 25 Haml Power Ball Bearing Bench Grinders with 1 1/2" x 8" Grinding Wheel | 7.50 |
| 1—# 55 Niagara Deep Throat Lever Shear, Capacity 1 1/2"—15" throat | 50.00 |

Visit our plant and inspect these tools

The OSBORN Stock List

October - November - December
1928

Phone
Prospect
0804

The J. M. & L. A. OSBORN Co.

1541-51 East 38th St.
Cleveland

64-86 Rapin St.
Buffalo

The following pages give you approximate quantities of our major and most called for items. This book will always be found useful for reference on account of the schedule of theoretical weights, extras and other data it contains.

| | Pages |
|--|---------------|
| All Iron and Steel Sheets | 3-12 |
| First Half of Book | |
| Copper, Zinc, Corrugated Sheets, etc. | 14-22 |
| Second Half of Book | |
| Oxy-Acetylene Welding Units | 22 |
| Unishears | 23 |
| Power Equipment | 24 |
| List of Used Machines and Specials | 25 |
| TERNE PLATE IN COLUMBUS STOCK..... | Opposite Page |

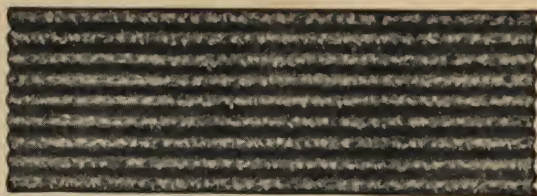
Where Osborn Service Originates



A view of part of our sheet stock—one of the largest and most completely assorted in the country. It includes all standard, and many unusual sizes and gauges.

METAL ROOFING

Fire-Proof — Economical — Durable



2½" and 1¼" Corrugated Sheets.

An unusually large stock now in Warehouse for immediate needs,

6, 7, 8, 9, 10 ft. lengths 1¼" and 2½", gauges 28 and 26
6, 7, 8, 9, 10, 12 ft. lengths 2½", gauges 24, 22 and 20
28 ga. Galv. Armco and Steel—also 29 ga. Steel Roll Roofing
28 ga. Galv. and Painted Plain Pressed Brick Siding

See Page 18 for Complete Stock

OSBORN OR PFEIFER CLIPS

For fastening corrugated sheets to the leg of structural steel.

LEAD WASHERS AND GALVANIZED NAILS

For fastening corrugated sheets to wood.

Besides Galvanized Steel and Armco Ingot Iron, we can supply roofing made of "Osborn's Lead Cote", "Galvanized Steel C. B.," Zinc or Copper—also other styles—promptly from mill.

"Everything Used in Sheet Metal Work"

"GOLDEN STAR" GALVANIZED STEEL SHEETS

Phone
Prospect
0804

| U. S. Gauge and Size | Est. Wt. per Sheet | Net Extra Size Gauge | Sheets per Bundle | Average Stock | |
|-------------------------|--------------------------|-------------------------------|-------------------------|---------------|---------|
| | | | | Cleve'd | Buffalo |
| Gauge | | | | Bundles | Bundles |
| 10 x24x120 | 115.6 | -.70 | ..... | sh 50 | ..... |
| 36x120 | 173.4 | -.70 | ..... | sh 177 | ..... |
| 48x 96 | 185. | -.50* | ..... | sh 75 | sh 30 |
| 48x120 | 231.2 | -.50* | ..... | sh 158 | ..... |
| 12 x24x120 | 90.6 | -.60 | 2 | 70 | ..... |
| 36x120 | 135.9 | -.60 | ..... | sh 169 | ..... |
| 48x 96 | 145. | -.40* | ..... | sh 110 | sh 35 |
| 48x120 | 181.2 | -.40* | ..... | sh 180 | ..... |
| 14 x24x 96 | 52.5 | -.60 | 3 | 42 | ..... |
| 24x120 | 65.6 | -.60 | 2 | 95 | ..... |
| 30x 96 | 65.6 | -.60 | 2 | 79 | 25 |
| 30x120 | 82. | -.60 | 2 | 54 | ..... |
| 36x 96 | 78.8 | -.60 | 2 | 177 | 25 |
| 36x120 | 98.4 | -.60 | ..... | sh 179 | ..... |
| 48x 96 | 105. | -.40* | ..... | sh 150 | sh 30 |
| 48x120 | 131.2 | -.40* | ..... | sh 120 | sh 40 |
| 16 x24x 96 | 42.5 | -.50 | 4 | 35 | ..... |
| 24x120 | 53.1 | -.50 | 3 | 80 | ..... |
| 26x 96 | 46. | -.50 | 3 | 125 | ..... |
| 28x 96 | 49.6 | -.50 | 3 | 125 | ..... |
| 30x 96 | 53.1 | -.50 | 3 | 114 | 27 |
| 30x120 | 66.4 | -.50 | 2 | 163 | ..... |
| 36x 96 | 63.8 | -.50 | 2 | 214 | 25 |
| 36x120 | 79.7 | -.50 | 2 | 255 | ..... |
| 48x 96 | 85. | -.30* | ..... | sh 150 | ..... |
| 48x120 | 106.2 | -.30* | ..... | sh 283 | sh 50 |
| 18 x24x 96 | 34.5 | -.35 | 4 | 131 | 21 |
| 24x120 | 43.1 | -.35 | 3 | 135 | ..... |
| 26x 96 | 37.4 | -.35 | 4 | 79 | ..... |
| 28x 96 | 40.3 | -.35 | 4 | 139 | ..... |
| 28x120 | 50.3 | -.35 | 3 | 24 | ..... |
| 30x 96 | 43.1 | -.35 | 4 | 225 | 78 |
| 30x120 | 53.9 | -.35 | 3 | 62 | ..... |
| 36x 96 | 51.8 | -.35 | 3 | 168 | 36 |
| 36x120 | 64.7 | -.35 | 2 | 124 | 15 |
| 48x 96 | 69. | -.15* | ..... | sh 210 | ..... |
| 48x120 | 86.2 | -.15* | ..... | sh 371 | sh 60 |
| 20 x24x 96 | 26.5 | -.20 | 6 | 160 | 25 |
| 24x120 | 33.1 | -.20 | 5 | 137 | 25 |
| 26x 96 | 28.7 | -.20 | 5 | 27 | ..... |
| 28x 96 | 30.9 | -.20 | 5 | 112 | ..... |
| 28x120 | 38.6 | -.20 | 4 | 121 | ..... |
| 30x 96 | 33.1 | -.20 | 5 | 264 | 56 |
| 30x120 | 41.4 | -.20 | 4 | 155 | ..... |
| 36x 96 | 39.8 | -.20 | 4 | 168 | 80 |
| 36x120 | 49.7 | -.20 | 3 | 229 | 25 |
| 48x 96 | 53. | +.20* | ..... | sh 240 | ..... |
| 48x120 | 66.2 | +.20* | ..... | sh 248 | sh 80 |
| 22 x24x 96 | 22.5 | -.15 | 7 | 132 | 46 |
| 24x120 | 28.1 | -.15 | 5 | 123 | 53 |
| 26x 96 | 24.4 | -.15 | 6 | 52 | ..... |
| 26x120 | 30.5 | -.15 | 5 | 14 | ..... |
| 28x 96 | 26.3 | -.15 | 6 | 186 | ..... |
| 28x120 | 32.8 | -.15 | 5 | 38 | ..... |
| 30x 96 | 28.1 | -.15 | 5 | 274 | 73 |
| 30x120 | 35.2 | -.15 | 4 | 159 | ..... |
| 36x 96 | 33.8 | -.15 | 5 | 375 | 25 |
| 36x120 | 42.2 | -.15 | 4 | 205 | 50 |
| 48x 96 | 45. | +.45* | 3 | sh 300 | ..... |
| 48x120 | 56.2 | +.45* | 3 | sh 170 | sh 90 |

THE J. M. & L. A. OSBORN COMPANY

"GOLDEN STAR" GALVANIZED STEEL SHEETS —Continued.

| U. S. Gauge and Size | Est. Wt. per Sheet | Net Extra Size Gauge | Sheets per Bundle | Average Stock | |
|-------------------------|--------------------------|-------------------------------|-------------------------|---------------|---------|
| | | | | Cleve'd | Buffalo |
| Gauge | | | | Bundles | Bundles |
| 24 x24x 96 | 18.5 | Base | 8 | 136 | 25 |
| 24x120 | 23.1 | Base | 7 | 73 | 15 |
| 26x 96 | 20. | Base | 8 | 51 | 15 |
| 26x120 | 25. | Base | 6 | 63 | ..... |
| 28x 96 | 21.6 | Base | 7 | 159 | 57 |
| 28x120 | 27. | Base | 6 | 44 | ..... |
| 30x 96 | 23.1 | Base | 7 | 343 | 121 |
| 30x120 | 28.9 | Base | 5 | 53 | 25 |
| 36x 96 | 27.8 | Base | 6 | 233 | 79 |
| 36x120 | 34.7 | Base | 5 | 145 | 30 |
| 48x 96 | 37. | .60* | 4 | 250 | ..... |
| 48x120 | 46.2 | .60* | 3 | sh 212 | sh 110 |
| 26 x10x 96 | 6. | °.60 | 24 | 161 | ..... |
| 12x 96 | 7.3 | °.60 | 20 | 133 | ..... |
| 24x 96 | 14.5 | .25 | 10 | 158 | 42 |
| 24x120 | 18.1 | .25 | 8 | 160 | 25 |
| 26x 96 | 15.7 | .25 | 10 | 46 | 39 |
| 26x120 | 19.6 | .25 | 8 | 23 | ..... |
| 28x 96 | 16.9 | .25 | 9 | 154 | 31 |
| 28x120 | 21.1 | .25 | 7 | 153 | 21 |
| 30x 96 | 18.1 | .25 | 8 | 640 | 88 |
| 30x120 | 22.7 | .25 | 7 | 240 | 138 |
| 36x 96 | 21.8 | .25 | 7 | 104 | 60 |
| 36x120 | 27.2 | .25 | 6 | 200 | 54 |
| 40x120 | 24.1 | .55* | 6 | 48 | ..... |
| 27 x24x 96 | 13.5 | .35 | 11 | 97 | ..... |
| 28x 96 | 15.8 | .35 | 10 | 49 | ..... |
| 30x 96 | 16.9 | .35 | 9 | 186 | ..... |
| 30x120 | 21.1 | .35 | 7 | 56 | ..... |
| 36x 96 | 20.3 | .45 | 8 | 106 | ..... |
| 28x 10x 96 | 5.2 | °.85 | 30 | 158 | ..... |
| 12x 96 | 6.3 | °.85 | 24 | 166 | ..... |
| 24x 96 | 12.5 | .50 | 12 | 213 | 60 |
| 24x120 | 15.6 | .50 | 10 | 114 | 52 |
| 26x 96 | 13.5 | .50 | 11 | 157 | ..... |
| 26x120 | 16.9 | .50 | 9 | 136 | 25 |
| 28x 96 | 14.6 | .50 | 10 | 143 | 38 |
| 28x120 | 18.2 | .50 | 8 | 62 | ..... |
| 30x 96 | 15.6 | .50 | 10 | 537 | 80 |
| 30x120 | 19.5 | .50 | 8 | 257 | 35 |
| 32x 96 | 16.6 | .50 | 9 | 112 | 18 |
| 36x 96 | 18.8 | .70 | 8 | 167 | 34 |
| 36x120 | 23.4 | .70 | 7 | 127 | 27 |
| 29 x30x 96 | 14.4 | .70 | 10 | 24 | ..... |
| 30 x24x 96 | 10.5 | .90 | 15 | 37 | ..... |
| 28x 96 | 12.3 | .90 | 12 | 73 | ..... |
| 30x 96 | 13.1 | .90 | 11 | 82 | 27 |
| 30x120 | 16.4 | .90 | 9 | 40 | ..... |
| 32x 96 | 14. | .90 | 11 | 41 | ..... |
| 36x 96 | 15.8 | 1.10 | 10 | 97 | 35 |
| 36x120 | 19.7 | 1.10 | 8 | 78 | ..... |

*Special Base Price on Wide Sheets. °Slitting extra 10" and 12" Wide 35c per 100 lbs. Minus sign (—) means reduction from base price. All other extras mean advance over base price.

"Everything Used in Sheet Metal Work"

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INGOT IRON Galvanized Armco Ingot Iron

| U. S. Gauge and Size | Est. Wt. per Sheet | Net Extra Size Gauge | Sheets per Bundle | Average Stock | |
|-------------------------|--------------------------|-------------------------------|-------------------------|---------------|---------|
| | | | | Cleve'd | Buffalo |
| Gauge | | | | Bundles | Bundles |
| 16 x30x 96 | 53.1 | — .50 | 3 | 46 | 23 |
| 36x 96 | 63.8 | — .50 | 2 | 104 | 23 |
| 36x120 | 79.7 | — .50 | 2 | 40 | ..... |
| 18 x24x 96 | 34.5 | — .35 | 4 | 50 | ..... |
| 28x 96 | 40.3 | — .35 | 4 | 15 | ..... |
| 30x 96 | 43.1 | — .35 | 4 | 55 | 21 |
| 30x120 | 53.9 | — .35 | 3 | 75 | 13 |
| 36x 96 | 51.8 | — .35 | 3 | 84 | 20 |
| 36x120 | 64.7 | — .35 | 2 | 58 | ..... |
| 20 x24x 96 | 26.5 | — .20 | 6 | 23 | ..... |
| 28x 96 | 30.9 | — .20 | 5 | 50 | ..... |
| 30x 96 | 33.1 | — .20 | 5 | 132 | 39 |
| 36x 96 | 39.8 | — .20 | 4 | 84 | 25 |
| 36x120 | 49.7 | — .20 | 3 | 58 | ..... |
| 22x 24x 96 | 22.5 | — .15 | 7 | 34 | 27 |
| 28x 96 | 26.3 | — .15 | 6 | 60 | ..... |
| 30x 96 | 28.1 | — .15 | 5 | 147 | 29 |
| 36x 96 | 33.8 | — .15 | 5 | 155 | 30 |
| 36x120 | 42.2 | — .15 | 4 | 72 | ..... |
| 24 x24x 96 | 18.5 | Base | 8 | 54 | 25 |
| 24x120 | 23.1 | Base | 7 | 33 | ..... |
| 28x 96 | 21.6 | Base | 7 | 53 | 27 |
| 30x 96 | 23.1 | Base | 7 | 155 | 67 |
| 30x120 | 28.9 | Base | 5 | 83 | ..... |
| 36x 96 | 27.8 | Base | 6 | 124 | 60 |
| 36x120 | 34.7 | Base | 5 | 48 | ..... |
| 26 x24x 96 | 14.5 | + .25 | 10 | 99 | 47 |
| 24x120 | 18.1 | + .25 | 8 | 125 | ..... |
| 28x 96 | 16.9 | + .25 | 9 | 89 | ..... |
| 30x 96 | 18.1 | + .25 | 8 | 153 | 78 |
| 30x120 | 22.7 | + .25 | 7 | 152 | ..... |
| 36x 96 | 21.8 | + .25 | 7 | 208 | 87 |
| 36x120 | 27.2 | + .25 | 6 | 113 | ..... |
| 28 x24x 96 | 12.5 | + .50 | 12 | 89 | ..... |
| 24x120 | 15.6 | + .50 | 10 | 96 | ..... |
| 28x 96 | 14.6 | + .50 | 10 | 48 | ..... |
| 30x 96 | 15.6 | + .50 | 10 | 101 | 78 |
| 30x120 | 19.5 | + .50 | 8 | 135 | ..... |
| 36x 96 | 18.8 | + .70 | 8 | 67 | 27 |

We can shear or crimp sheets.

Shearing capacity 10 gauge—10 foot long.

Crimping 20 gauge and lighter.

Minus Sign (—) means reduction from base price. All other extras mean advance over base price.

The above weights are for estimating purposes and are subject to the following allowable variation: No. 10 to 16 Ga. 5%; No. 18 to 22 Ga. 3½%; No. 24 Ga., and lighter 2½%, plus or minus.

24", 30" and 36" Wide Sheets carried in open stock. All other sizes only sold in full bundles.

THE J. M. & L. A. OSBORN COMPANY

KEYSTONE COPPER BEARING GALVANIZED STEEL

| U. S. Gauge and Size | Est. Wt. per Sheet | Net Extra Size Gauge | Sheets per Bundle | Average Stock Cleveland |
|----------------------|--------------------|----------------------|-------------------|-------------------------|
| Gauge | | | | Sheets |
| 18 x48x120 | 86.2 | — .15 | ..... | 371 |
| 20 x48x120 | 66.2 | + .20 | ..... | 248 |
| 22 x48x120 | 56.2 | + .45 | 3 | 170 |
| 24 x48x120 | 46.2 | + .60 | 3 | 212 |
| 26 x24x120 | 18.1 | + .25 | 8 | 150 |
| 30 ½x120 | 23. | + .25 | 7 | 170 |
| 28 x24x120 | 15.6 | + .50 | 10 | 240 |
| 30 ½x120 | 19.8 | + .50 | 8 | 280 |

OSBORN'S PATENT LEVELED SHEETS for the Sign Manufacturers

First two items are the patented process "Galvannealed," which has a coating that cannot flake or peel. Last four items galvanized.

| U. S. Gauge and size | Est. Wt. per Sheet | Net Extra Gauge Size | Sheets per Bundle | Average Stock Cleveland |
|----------------------|--------------------|----------------------|-------------------|-------------------------|
| Galvannealed | | | | Sheets |
| Gauge | | | | |
| 26 x30x120 | 22.7 | Sold | Not Bundled | 200 |
| 36x120 | 27.2 | by | | 150 |
| Galvanized | | the | | |
| | | Sheet | | |
| 27 x30x 96 | 16.9 | | | 350 |
| 30x120 | 21.1 | | | 270 |
| 36x 96 | 20.3 | | | 220 |
| 36x120 | 25.3 | | | 190 |

OPEN HEARTH LONG TERNES (Approximately 8 Lb. Coating)

| Gauge | | | | Bundles |
|------------|------|-------|----|---------|
| 16 x36x120 | 75.0 | — .50 | 2 | 20 |
| 18 x36x120 | 60.0 | — .35 | 2 | 24 |
| 20 x36x120 | 45.0 | — .20 | 3 | 35 |
| 22 x36x120 | 37.5 | — .15 | 4 | 66 |
| 24 x36x120 | 30.0 | Base | 5 | 49 |
| 26 x30x120 | 18.8 | + .25 | 8 | 71 |
| 28 x30x120 | 15.6 | + .50 | 10 | 71 |
| 30 x28x120 | 11.7 | + .90 | 14 | 43 |
| 30x120 | 12.5 | + .90 | 12 | 68 |
| 32x120 | 13.4 | + .90 | 11 | 46 |

OPEN HEARTH LONG TERNES 40 Lb. Coating

Is fabricated by us into Gutter, Conductor, Ridge Roll, etc.

| Gauge | | | | Bundles |
|------------|------|-------|-------|------------|
| 28 x24x 96 | 11.5 | + .50 | 13 | 50 |
| 30x 96 | 14.2 | + .50 | 11 | 44 |
| 24x120 | 14.4 | + .50 | ..... | 641-Shts. |
| 30x120 | 17.4 | + .50 | ..... | 1030-Shts. |

Minus Sign (—) means reduction from base price. All other extras mean advance over base price.

The above weights are for estimating purposes and are subject to the following allowable variation; No. 10 to 16 Ga. 5%; No. 18 to 22 Ga. 3½%; No. 24 Ga. and lighter, 2½%, plus or minus.

"Everything Used in Sheet Metal Work"

"GOLDEN STAR" ONE PASS C. R. AND A. BLACK STEEL

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| U. S. Gauge and Size | Est. Wt. per Sheet | Net Extra Size Gauge | Sheets per Bundle | Average Stock | |
|-------------------------|--------------------------|-------------------------------|-------------------------|---------------|---------|
| | | | | Cleve'd | Buffalo |
| Gauge | | | | Bundles | |
| 18 x24x 96 | 32. | -.20 | 5 | 76 | ..... |
| 26x 96 | 34.7 | -.20 | 4 | 27 | ..... |
| 28x 96 | 37.3 | -.20 | 4 | 40 | ..... |
| 30x 96 | 40. | -.20 | 4 | 106 | 25 |
| 30x120 | 50. | -.20 | 3 | 156 | ..... |
| 36x 96 | 48. | -.20 | 3 | 192 | 25 |
| 36x120 | 60. | -.20 | 2 | 154 | ..... |
| 48x120 | 80. | -.15* | 2 | sh 349 | ..... |
| 20 x24x 96 | 24. | -.20 | 6 | 78 | ..... |
| 26x 96 | 26. | -.20 | 6 | 73 | ..... |
| 28x 96 | 28. | -.20 | 5 | 71 | ..... |
| 30x 96 | 30. | -.20 | 5 | 236 | 25 |
| 30x120 | 37.5 | -.20 | 4 | 62 | ..... |
| 36x 96 | 36. | -.20 | 4 | 139 | 25 |
| 36x120 | 45. | -.20 | 3 | 74 | ..... |
| 48x120 | 60. | +.05* | 2 | sh 174 | ..... |
| 22 x24x 96 | 20. | -.05 | 7 | 51 | ..... |
| 26x 96 | 21.7 | -.05 | 7 | 52 | ..... |
| 28x 96 | 23.3 | -.05 | 6 | 87 | ..... |
| 30x 96 | 25. | -.05 | 6 | 103 | 30 |
| 30x120 | 31.3 | -.05 | 5 | 72 | ..... |
| 36x 96 | 30. | -.05 | 5 | 154 | 30 |
| 36x120 | 37.5 | -.05 | 4 | 50 | ..... |
| 48x120 | 50. | +.35* | 3 | sh 168 | ..... |
| 24 x24x101 | 16.8 | Base | 9 | 67 | ..... |
| 26x 96 | 17.3 | Base | 9 | 73 | ..... |
| 28x 96 | 18.7 | Base | 8 | 120 | ..... |
| 30x 96 | 20. | Base | 7 | 96 | 30 |
| 30x120 | 25. | Base | 6 | 62 | ..... |
| 36x 96 | 24. | Base | 6 | 105 | 30 |
| 36x120 | 30. | Base | 5 | 63 | ..... |
| 48x120 | 40. | +.40* | 4 | sh 538 | ..... |
| 26 x24x101 | 12.6 | +.10 | 12 | 172 | ..... |
| 24x120 | 15. | +.10 | 10 | 40 | ..... |
| 26x 96 | 13. | +.10 | 11 | 52 | ..... |
| 28x 96 | 14. | +.10 | 11 | 142 | ..... |
| 30x 96 | 15. | +.10 | 10 | 185 | 35 |
| 36x 96 | 18. | +.10 | 8 | 150 | ..... |
| 36x120 | 22.5 | +.10 | 7 | 151 | ..... |
| 27 x24x101 | 11.6 | +.15 | 12 | 70 | ..... |
| 28x 96 | 12.8 | +.15 | 12 | 45 | ..... |
| 30x 96 | 13.8 | +.15 | 11 | 74 | ..... |

*Special base price on wide sheets.

Minus Sign (—) means reduction from base price. All other extras mean advance over base price.

The above weights are for estimating purposes and are subject to the following allowable variations: No. 10 to 16 Ga. 5%; No. 18 to 22 Ga. 3½%; No. 24 Ga. and lighter 2½%, plus or minus.

We can shear gauges 10 to 30, sheets ten foot long and less.

THE J. M. & L. A. OSBORN COMPANY

"GOLDEN STAR" ONE PASS C. R. AND A. BLACK STEEL —Continued.

| U. S. Gauge and Size | Est. Wt. per Sheet | Net Extra Size Gauge | Sheets per Bundle | Average Stock | |
|-------------------------|--------------------------|-------------------------------|-------------------------|---------------|---------|
| | | | | Cleve'd | Buffalo |
| Gauge | | | | Bundles | Bundles |
| 28 x24x101 | 10.5 | .25 | 14 | 68 | ..... |
| 26x 96 | 10.8 | .25 | 14 | 75 | ..... |
| 28x 96 | 11.7 | .25 | 13 | 21 | ..... |
| 28x120 | 14.6 | .25 | 10 | 48 | ..... |
| 30x 96 | 12.5 | .25 | 12 | 90 | 40 |
| 36x 96 | 15. | .35 | 10 | 78 | ..... |
| 30 x24x 96 | 8. | .50 | 18 | 85 | ..... |
| 30x 96 | 10. | .50 | 15 | 95 | ..... |

"GOLDEN STAR" SPECIAL BLUE UNIFORM COLOR-OILED

This is a uniform color steam blued and oiled sheet, especially adapted for the manufacture of stove pipe, elbows, etc. Exceptionally smooth due to having scale removed before blueing.

| U. S. Gauge and Size | Est. Wt. per Sheet | Net Extra Size Gauge | Sheets per Bundle | Average Stock | |
|-------------------------|--------------------------|-------------------------------|-------------------------|---------------|---------|
| | | | | Cleve'd | Buffalo |
| Gauge | | | | Bundles | |
| 24 x24x101 | 16.8 | Base | 9 | 54 | ..... |
| 26 x24x101 | 12.6 | .10 | 12 | 106 | 25 |
| 27 x24x101 | 11.6 | .15 | 12 | 127 | ..... |
| 28 x24x101 | 10.5 | .25 | 14 | 158 | 35 |
| 27 x24x101 not oiled | 11.6 | .15 | 12 | 58 | ..... |

FULL PICKLED, FULL COLD ROLLED, RE-ANNEALED AND OILED

20 and 22 Gauge—Stretcher Leveled and Resquared

Made from soft Open Hearth base; full pickled, full cold rolled, re-annealed and oiled. Especially adapted to purposes requiring a clean, smooth sheet free from scale and pit marks.

| U. S. Gauge and Size | Est. Wt. per Sheet | Net Extra Size Gauge | Sheets per Bundle | Average Stock Cleveland |
|-------------------------|--------------------------|-------------------------------|-------------------------|----------------------------|
| | | | | Sheets |
| Gauge | | | | |
| 12 x36x120 | 131.3 | — .35 | —Not Bundled— | 90 |
| 14 x36x120 | 93.8 | — .35 | | 130 |
| 16 x36x120 | 75. | — .30 | | 106 |
| 18 x36x120 | 60. | — .20 | | 407 |
| *20 x36x120 | 45. | — .20 | | 394 |
| *22 x36x120 | 37.5 | — .05 | | 205 |
| 24 x36x120 | 30. | Base | | 158 |

* Now carried Stretcher Leveled and Resquared
Minus Sign (—) means reduction from base price. All other extras mean advance over base price.

The above weights are for estimating purposes and are subject to the following allowable variations: No. 10 to 16 Ga. 5%; No. 18 to 22 Ga. 3½%; No. 24 Ga. and lighter 2½%, plus or minus.

We can shear gauges 10 to 30, sheets ten foot long and less.

"Everything Used in Sheet Metal Work"

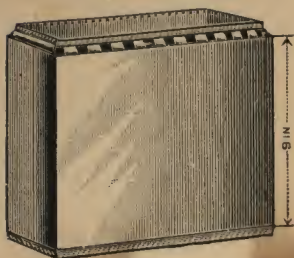
BLUE ANNEALED STEEL

Phone
Prospect
0804

| U. S. Gauge and Size | Est. Wt. per Sheet | Net Extra Gauge | Average Stock | |
|-------------------------|-----------------------|--------------------|---------------|---------|
| | | | Cleve'd | Buffalo |
| Gauge | | | Sheets | Sheets |
| 10 x24x 96 | 90. | Base | 75 | ..... |
| 26x 96 | 97.5 | Base | 20 | ..... |
| 28x 96 | 105. | Base | 60 | ..... |
| 30x 96 | 112.5 | Base | 56 | ..... |
| 30x120 | 140.6 | Base | 210 | ..... |
| 36x 96 | 135. | Base | 133 | 25 |
| 36x120 | 168.8 | Base | 186 | ..... |
| 42x 96 | 157.5 | Base | 129 | ..... |
| 42x120 | 196.9 | Base | 104 | ..... |
| 48x 96 | 180. | Base | 92 | 30 |
| 48x108 | 202.6 | Base | 74 | ..... |
| 48x120 | 225. | Base | 142 | ..... |
| 48x144 | 270. | Base | 25 | ..... |
| 54x 96 | 202.5 | Base | 50 | ..... |
| 54x120 | 253.1 | Base | 71 | ..... |
| 60x 96 | 225. | Base | 41 | ..... |
| 60x120 | 281.2 | Base | 62 | ..... |
| 12 x24x 96 | 70. | .05 | 80 | ..... |
| 24x120 | 87.5 | .05 | 83 | ..... |
| 30x 96 | 87.5 | .05 | 133 | ..... |
| 30x120 | 109.4 | .05 | 150 | ..... |
| 36x 96 | 105. | .05 | 174 | 45 |
| 36x120 | 131.3 | .05 | 138 | ..... |
| 42x 96 | 122.5 | .05 | 73 | ..... |
| 42x108 | 137.9 | .05 | 52 | ..... |
| 42x120 | 153.2 | .05 | 95 | ..... |
| 48x 96 | 140. | .05 | 106 | 40 |
| 48x108 | 157.6 | .05 | 77 | ..... |
| 48x120 | 175. | .05 | 200 | ..... |
| 48x144 | 210. | .05 | 57 | ..... |
| 54x 96 | 157.5 | .05 | 50 | ..... |
| 54x120 | 196.9 | .05 | 60 | ..... |
| 60x 96 | 175. | .05 | 178 | ..... |
| 60x120 | 218.8 | .05 | 149 | ..... |
| 14 x24x 96 | 50. | .10 | 112 | ..... |
| 26x 96 | 54.2 | .10 | 89 | ..... |
| 28x 96 | 58.3 | .10 | 68 | ..... |
| 28x120 | 72.9 | .10 | 47 | ..... |
| 30x 96 | 62.5 | .10 | 162 | 50 |
| 30x120 | 78.1 | .10 | 129 | ..... |
| 36x 96 | 75. | .10 | 171 | 50 |
| 36x120 | 93.8 | .10 | 266 | ..... |
| 42x 96 | 87.5 | .10 | 84 | ..... |
| 42x108 | 101.2 | .10 | 60 | ..... |
| 42x120 | 109.4 | .10 | 159 | ..... |
| 48x 96 | 100. | .10 | 145 | 50 |
| 48x108 | 112.6 | .10 | 88 | ..... |
| 48x120 | 125. | .10 | 360 | 40 |
| 54x120 | 140.6 | .10 | 68 | ..... |
| 60x 96 | 125. | .10 | 91 | ..... |
| 60x120 | 156.2 | .10 | 153 | ..... |

Extras shown are over base price.

The above weights are for estimating purposes and are subject to the following allowable variations: No. 10 to 16 Ga. 5%; No. 18 to 22 Ga. 3½%; No. 24 Ga. and lighter 2½%, plus or minus.



Double Wall Pipe and Fittings

SEASONABLE

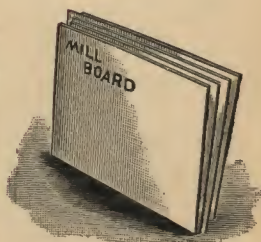
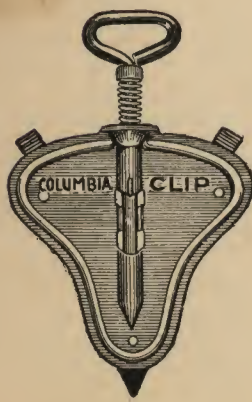
FURN

A Complete Stock of Furnace Pipe accessories now on hand for your convenience.

Perfection Pipe

Acer and Wheadon Pipe

Write for New Price List



Watson Asbestos Paper, Mill Board, Air Cell-Anchor and Fuller Paste—Pecora Furnace Cement, Dampers and Damper Clips, Pulleys, Chain, etc.



Wood Cold Air Face

RE

Hart and Cooley, Auer and...
ried in stock. Very prompt s...
any specialty made by Auer...
plant is only a few doors from c...

All popular styles and sizes...
carried in stock as well as m...
Steel Cast and Fabricated Col...

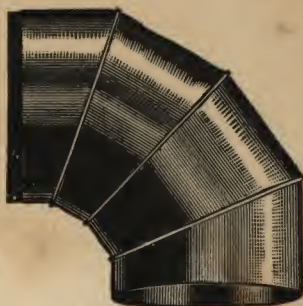
"Everything in Furn"

SUGGESTIONS

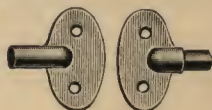
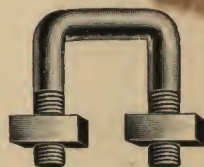
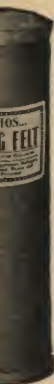
PIPE

gs, Asbestos Paper and all furnace
when the fall rush for these items

in Cleveland Stock.
in Buffalo Stock
ative Sept. 1st. 1928.



Single and Round Pipe Elbows
and Fittings



Parker-Kalon Products

Damper Quadrants, Dial Regulators, Bearings, Rod Clips, Sheet
Metal Screws, etc.

TERS

orth registers car-
can be given on
r Co. since their
a.

he above makes
sizes of Wood,
Faces.



Steel Registers

Supplies"

THE J. M. & L. A. OSBORN COMPANY

SHEET COPPER Soft or Hot Rolled

| Oz. per Sq. Ft. and Size | Est. Wt. per Sheet | Net Extra for Size, Gauge and Temper | Equiv. in Stubbs Gauge | Average Stock | |
|-----------------------------|--------------------------|---|------------------------------|---------------|---------|
| | | | | Cleve'd | Buffalo |
| Oz. | | cents | | Sheets | Sheets |
| 12 30x 96 | 15. | 6 $\frac{3}{8}$ | 27 | 77 | ..... |
| 14 18x 96 | 10.5 | 2 $\frac{5}{8}$ | 26 | 50 | ..... |
| 20x 96 | 11.7 | 2 $\frac{5}{8}$ | 26 | 170 | ..... |
| 24x 96 | 14. | 3 $\frac{3}{4}$ | 26 | 150 | ..... |
| 26x 96 | 15.2 | 3 $\frac{3}{4}$ | 26 | 110 | ..... |
| 28x 96 | 16.3 | 3 $\frac{3}{4}$ | 26 | 85 | ..... |
| 30x 96 | 17.5 | 3 | 26 | 217 | ..... |
| 36x 96 | 21. | 3 | 26 | 102 | ..... |
| 16 18x 96 | 12. | 1 $\frac{1}{2}$ | 24 | 50 | ..... |
| 20x 96 | 13.3 | 1 $\frac{1}{2}$ | 24 | 90 | ..... |
| 24x 96 | 16. | 2 $\frac{1}{4}$ | 24 | 211 | 47 |
| 26x 96 | 17.3 | 2 $\frac{1}{4}$ | 24 | 55 | 40 |
| 28x 96 | 18.3 | 2 $\frac{1}{4}$ | 24 | 106 | 34 |
| 30x 96 | 20. | 1 $\frac{7}{8}$ | 24 | 200 | 44 |
| 36x 96 | 24. | 1 $\frac{7}{8}$ | 24 | 122 | 71 |
| 18 30x 96 | 22.5 | 1 $\frac{1}{2}$ | 23 | 27 | ..... |
| 20 30x 96 | 25. | 1 $\frac{1}{8}$ | 22 | 93 | ..... |
| 24 30x 96 | 30. | $\frac{3}{4}$ | 21 | 25 | ..... |

SHEET COPPER Hard or Cold Rolled

| Oz. | | cents | | Sheets | Sheets |
|-----------|------|------------------|----|--------|--------|
| 12 30x 96 | 15. | 10 $\frac{7}{8}$ | 27 | 113 | ..... |
| 14 18x 96 | 10.5 | 4 $\frac{7}{8}$ | 26 | 121 | ..... |
| 20x 96 | 11.7 | 4 $\frac{7}{8}$ | 26 | 155 | ..... |
| 24x 96 | 14. | 6 | 26 | 131 | ..... |
| 26x 96 | 15.2 | 6 | 26 | 118 | ..... |
| 28x 96 | 16.3 | 6 | 26 | 107 | ..... |
| 30x 96 | 17.5 | 5 $\frac{1}{4}$ | 26 | 231 | 67 |
| 36x 96 | 21. | 5 $\frac{1}{4}$ | 26 | 209 | 75 |
| 16 18x 96 | 12. | 3 $\frac{3}{4}$ | 24 | 50 | ..... |
| 20x 96 | 13.3 | 3 $\frac{3}{4}$ | 24 | 235 | ..... |
| 24x 96 | 16. | 4 $\frac{1}{2}$ | 24 | 200 | 42 |
| 26x 96 | 17.3 | 4 $\frac{1}{2}$ | 24 | 104 | 45 |
| 28x 96 | 18.3 | 4 $\frac{1}{2}$ | 24 | 298 | 32 |
| 30x 96 | 20. | 4 $\frac{1}{8}$ | 24 | 183 | 35 |
| 36x 96 | 24. | 4 $\frac{1}{8}$ | 24 | 174 | 34 |
| 18 24x 96 | 18. | 4 $\frac{1}{8}$ | 23 | 17 | ..... |
| 30x 96 | 22.5 | 3 $\frac{3}{4}$ | 23 | 88 | 24 |
| 30x120 | 28. | 4 $\frac{1}{8}$ | 23 | 44 | ..... |
| 36x 96 | 27. | 3 $\frac{3}{4}$ | 23 | 100 | 35 |
| 20 30x 96 | 25. | 3 $\frac{3}{8}$ | 22 | 51 | 18 |
| 36x 96 | 30. | 3 $\frac{3}{8}$ | 22 | 94 | 17 |
| 24 30x 96 | 30. | 3 | 21 | 163 | 37 |
| 36x 96 | 36. | 3 | 21 | 57 | 12 |
| 26 36x120 | 48.8 | 3 $\frac{3}{8}$ | 21 | 25 | ..... |
| 28 36x120 | 52.5 | 3 $\frac{3}{8}$ | 20 | 94 | ..... |
| 30 36x120 | 56.3 | 3 $\frac{3}{8}$ | 19 | 32 | ..... |
| 32 36x120 | 60. | 3 | 19 | 55 | ..... |
| 42 48x 96 | 84. | 3 | 17 | 23 | 20 |

Lead Coated Copper Sheets can be furnished.

"Everything Used in Sheet Metal Work"

SOFT VALLEY COPPER IN ROLLS

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Prospect
0804

| Oz. per Sq. Ft. and Width | | Average Weight per Roll | Average Weight per Lin. Ft. | Average Stock | |
|------------------------------|-------|-------------------------------|-----------------------------------|------------------|------------------|
| Oz. | Width | | | Cleve'd Rolls | Buffalo Rolls |
| 14 | 14 | 100 | 1.02 | 41 | ..... |
| | 20 | 100 | 1.46 | 50 | ..... |
| 16 | 14 | 100 | 1.17 | 40 | 5 |
| | 20 | 100 | 1.67 | 45 | 8 |

COLD ROLLED STRIP COPPER

For Manufacture of Eaves Trough, Conductor Pipe, etc.

| Oz. per Sq. Ft. and Size | | Average Weight per Strip | Net Extra for Gauge and Size | Average Stock Cleveland | |
|-----------------------------|--------|--------------------------------|------------------------------------|----------------------------|--|
| Oz. | | | | Sheets | |
| 16 | 7½x120 | 6.25 | 2.63¢ | 30 | |
| | 8¾x120 | 7.0 | 2.81¢ | 150 | |
| 10 | 11x120 | 8.38 | 3.19¢ | 125 | |
| | 12x120 | 10. | 3.19¢ | 470 | |
| 13 | 11x120 | 11.4 | 3.56¢ | 525 | |
| | 15x120 | 12.5 | 4.31¢ | 230 | |
| | 17x120 | 14.17 | 4.13¢ | 55 | |

COLD ROLLED COPPER — Tinned One Side

| Oz. per Sq. Ft. and Size | | Average Weight per Sheet | Net Extra for Size, Gauge and Temper | Average Stock | |
|-----------------------------|--------|--------------------------------|---|-------------------|---------|
| Oz. | | | | Cleve'd Sheets | Buffalo |
| 14 | 24x 96 | 14. | 6¾¢ | 50 | ..... |
| | 30x 96 | 17.5 | 5½¢ | 100 | ..... |
| 16 | 24x 96 | 16. | 4⅞¢ | 50 | ..... |
| | 30x 96 | 20. | 4½¢ | 92 | 23 |
| 20 | 36x 96 | 24. | 4½¢ | 29 | ..... |
| | 30x 96 | 25. | 3¾¢ | 28 | 19 |

COLD ROLLED COPPER — Polished One Side

| | | | | |
|----|--------|------|-----|----|
| 14 | 30x 96 | 17.5 | 5¼¢ | 54 |
| 16 | 30x 96 | 20. | 4⅞¢ | 65 |

COLD ROLLED COPPER — Tinned and Polished

| | | | | |
|----|--------|------|-----|-----|
| 14 | 14x 60 | 5.1 | 4⅞¢ | 421 |
| | 30x 96 | 17.5 | 5½¢ | 56 |
| 16 | 30x 96 | 20. | 4½¢ | 50 |

Tinning— Net Extras in Addition to Above Over 60"
 16" wide and less—60" long and less, 5¼¢ sq. ft. 6 ¢ sq. ft.
 Over 16" to 36", inc.—60" long and less 6¢ sq. ft. 6¾¢ sq. ft.

Polishing—
 16" wide and less—60" long and less 3¾¢ sq. ft. 4½¢ sq. ft.
 Over 16" to 36", inc.—60" long and less 4½¢ sq. ft. 5¼¢ sq. ft.

Crimping at 25¢ per hundred pounds.

OVAL BOILER FLATS

| Oz. per Sq. Ft. and Size | | Average Weight | Net Extra | Average Stock Cleveland |
|-----------------------------|---------|-------------------|--------------|----------------------------|
| Oz. | | | cents | Sheets |
| 14 | 12½x23½ | 1.55 | 4.69 | 180 |
| | 13 x24 | 1.68 | 4.69 | 257 |
| | 13 x25 | 1.75 | 4.69 | 752 |
| 16 | 13 x24 | 1.89 | 3.38 | 718 |
| | 13 x25 | 1.97 | 3.38 | 554 |

THE J. M. & L. A. OSBORN COMPANY

IMPORTED DAIRY TIN

Cookley K

These large sheets, heavily coated with pure tin are imported from England. Used for Cheese Vats, Dairy Utensils, Evaporator Pans, etc. Cases contain approximately 560 lbs.

| Gauge | Equiv. U. S. Ga. | Size | Weight per Sheet | Average Stock Cleveland Sheets |
|-------|---------------------|-------|------------------------|--------------------------------------|
| XXXX | 25 | 30x72 | 15. | 120 |
| XXXX | 25 | 36x72 | 18. | 166 |
| DXXXX | 22 | 36x84 | 26.5 | 173 |
| DXXXX | 22 | 36x96 | 32. | 152 |
| DXXXX | 22 | 48x96 | 42. | 111 |

MONEL METAL

An acid and corrosive resistant metal which is a natural alloy of nickel and copper used for hotel and kitchen equipment, acid vats, etc.

Full Finished Monel

The Full Finished Sheet is a hot rolled, annealed, pickled, 4 to 6 pass cold rolled, re-annealed and patent leveled sheet. This sheet has heretofore been designated a "Hot Rolled Sheet."

| U. S. Gauge | Decimal Thick- ness | Size | Wt. per Sheet | Average Stock Cleveland Sheets |
|-------------|---------------------------|-------|------------------|--------------------------------------|
| 24 | .025 | 36x96 | 28 | 30 |
| 22 | .031 | 36x96 | 34 | 25 |
| 20 | .037 | 36x96 | 41 | 20 |

Cold Rolled—Polished One Side

No. 5 Finish

| | | | | |
|----|------|-------|------|----|
| 25 | .021 | 30x96 | 20.5 | 30 |
| 24 | .025 | 36x96 | 28 | 50 |
| 22 | .031 | 36x96 | 34 | 45 |
| 20 | .037 | 36x96 | 41 | 36 |
| 18 | .050 | 36x96 | 55.3 | 30 |

SHEET ALUMINUM

2SH or Half Hard Temper

| B. & S. Gauge | Decimal Thick- ness | Size | Est. Wt. per Sht. | Average Stock Cleveland |
|------------------|---------------------------|-------|----------------------|----------------------------|
| 24 | .020 | 24x72 | 3.50 | 140 |
| 28 | .0126 | 24x72 | 2.25 | 50 |
| 30 | .010 | 24x72 | 1.25 | 80 |

NICKELED STEEL

Nickel Plated and Polished 1 Side Sheet Steel

For making nickel plated stove pipe, elbows, etc. We manufacture and carry in stock these items made from nickeled steel and aluminum.

| U. S. Gauge | Size | Estimated Wt. per Sht. | Average Stock Cleveland |
|-------------|-------|---------------------------|----------------------------|
| 26 | 24x56 | 8.5 | Sheets 500 |

"Everything Used in Sheet Metal Work"

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SHEET ZINC

| Zinc Gauge | Equiv. in U. S. Gauge | Weight per Sht. | Size | Packed in | Average Stock Cleveland |
|------------|-----------------------|-----------------|-------|---------------|-------------------------|
| 8 | 28 | 12.6 | 36x84 | 200 lb. casks | 3 |
| 9 | 26 | 13.4 | 30x96 | 200 lb. casks | 8 |
| 9 | 26 | 13.4 | 30x96 | 100 lb. casks | 7 |
| 9 | 26 | 14.1 | 36x84 | 600 lb. casks | 4 |
| 9 | 26 | 14.1 | 36x84 | 200 lb. casks | 7 |
| 9 | 26 | 14.1 | 36x84 | 100 lb. casks | 15 |
| 9 | 26 | 16.1 | 36x96 | 600 lb. casks | 3 |
| 9 | 26 | 16.1 | 36x96 | 200 lb. casks | 5 |
| 9 | 26 | 15.5 | 40x84 | 600 lb. casks | 5 |
| 9 | 26 | 15.5 | 40x84 | 200 lb. casks | 2 |
| 9 | 26 | 15.5 | 40x84 | 100 lb. casks | 2 |
| 11 | 24 | 15.8 | 30x84 | 600 lb. casks | 10 |
| 11 | 24 | 15.8 | 30x84 | 200 lb. casks | 5 |
| 11 | 24 | 15.8 | 30x84 | 100 lb. casks | 3 |
| 11 | 24 | 18.9 | 36x84 | 600 lb. casks | 1 |
| 11 | 24 | 18.9 | 36x84 | 200 lb. casks | 1 |
| 11 | 24 | 28.8 | 48x96 | 100 lb. casks | 12 |
| 11 | 24 | 28.8 | 48x96 | 200 lb. casks | 7 |
| 12 | 23 | 22.1 | 36x84 | 100 lb. casks | 2 |

Horse Head Strip Zinc

Well annealed and extremely soft for spinning and the manufacture of eaves trough, etc.

| Zinc Gauge | Equiv. in U. S. Gauge | Weight per Sht. | Size | Packed in | Average Stock Cleveland |
|------------|-----------------------|-----------------|--------|-----------|-------------------------|
| No. | | | | | Sheets |
| 11 | 24 | 6. | 10x 96 | ..... | 110 |
| 11 | 24 | 7.5 | 10x120 | ..... | 90 |
| 11 | 24 | 7.2 | 12x 96 | ..... | 239 |
| 11 | 24 | 9. | 12x120 | ..... | 120 |
| 11 | 24 | 9. | 15x 96 | ..... | 50 |
| 11 | 24 | 11.3 | 15x120 | ..... | 196 |
| 11 | 24 | 12. | 20x 96 | ..... | 50 |
| 11 | 24 | 15. | 20x120 | ..... | 412 |

NICKEL ZINC

Nickel Plated and Polished 1 Side Sheet Zinc

| Zinc Gauge | Equiv. in U. S. Gauge | Weight per Sht. | Size | Packed in | Average Stock Cleveland |
|------------|-----------------------|-----------------|-------|---------------|-------------------------|
| No. | | | | | |
| 9 | 26 | 13.4 | 30x96 | 100 lb. cases | 100 |
| 9 | 26 | 14.1 | 36x84 | 100 lb. cases | 120 |
| 11 | 24 | 18.9 | 36x84 | 100 lb. cases | 60 |

GALVANIZED ANGLES AND BANDS

| Size and Gauge | Est. Wt. per 100 ft. | Estimated Wt. per Bdle. | Average Stock Cleveland |
|---------------------|----------------------|-------------------------|-------------------------|
| Angles | | | Lengths |
| 1x1x1/8...20' long | 90 | ..... | 700 |
| Bands | | | |
| 1"x No. 12 | 42 | 75 | 58 coils |
| 1"x No. 12—12' long | 42 | 115 | 95 bundles |

We have a complete stock of plain Black Angles, Bars, Bands, Hoops, etc.

THE J. M. & L. A. OSBORN COMPANY

2½" CORRUGATED GALVANIZED—26" Wide After Forming

| U. S. Gauge and Length | | Est. Wt. per Sht. Lbs. | No. Shts per Square | Est. Wt. per Square | Sq. Ft. in One Sheet | Average Stock Cleve'd |
|------------------------|------|------------------------|---------------------|---------------------|----------------------|-----------------------|
| Gauge | Feet | | | | | Sheets |
| 20 | 6 | 23.2 | 7.692 | 178 | 13. | 232 |
| | 7 | 27.1 | 6.593 | 178 | 15.166 | 213 |
| | 8 | 30.9 | 5.769 | 178 | 17.333 | 332 |
| | 9 | 34.8 | 5.128 | 178 | 19.5 | 155 |
| | 10 | 38.6 | 4.616 | 178 | 21.666 | 303 |
| | 12 | 46.4 | 3.846 | 178 | 26. | 198 |
| 22 | 6 | 19.7 | 7.692 | 151 | 13. | 423 |
| | 7 | 23.0 | 6.593 | 151 | 15.166 | 301 |
| | 8 | 26.2 | 5.769 | 151 | 17.333 | 970 |
| | 9 | 29.5 | 5.128 | 151 | 19.5 | 295 |
| | 10 | 32.8 | 4.616 | 151 | 21.666 | 381 |
| | 12 | 39.4 | 3.846 | 151 | 26. | 195 |
| 24 | 6 | 16.2 | 7.692 | 125 | 13. | 510 |
| | 7 | 18.9 | 6.593 | 125 | 15.166 | 264 |
| | 8 | 21.6 | 5.769 | 125 | 17.333 | 272 |
| | 9 | 24.3 | 5.128 | 125 | 19.5 | 204 |
| | 10 | 27.0 | 4.616 | 125 | 21.666 | 457 |
| | 12 | 32.4 | 3.846 | 125 | 26. | 280 |
| 26 | 6 | 12.7 | 7.692 | 98 | 13. | 305 |
| | 7 | 14.8 | 6.593 | 98 | 15.166 | 350 |
| | 8 | 16.9 | 5.769 | 98 | 17.333 | 310 |
| | 9 | 19.0 | 5.128 | 98 | 19.5 | 347 |
| | 10 | 21.1 | 4.616 | 98 | 21.666 | 505 |
| | 12 | 26.2 | 3.846 | 98 | 26. | 280 |
| 28 | 6 | 10.9 | 7.692 | 84 | 13. | 360 |
| | 7 | 12.8 | 6.593 | 84 | 15.166 | 228 |
| | 8 | 14.6 | 5.769 | 84 | 17.333 | 498 |
| | 9 | 16.4 | 5.128 | 84 | 19.5 | 348 |
| | 10 | 18.2 | 4.616 | 84 | 21.666 | 488 |
| | 12 | 22.8 | 3.846 | 84 | 26. | 280 |

1¼" CORRUGATED GALVANIZED—25" Wide

| Gauge | Feet | | | | | Sheets |
|-------|------|------|-------|-----|--------|--------|
| 26 | 6 | 12.7 | 8.000 | 102 | 12.5 | 233 |
| | 7 | 14.8 | 6.857 | 102 | 14.583 | 104 |
| | 8 | 16.9 | 6.000 | 102 | 16.666 | 280 |
| | 9 | 19.0 | 5.333 | 102 | 18.75 | 250 |
| | 10 | 21.1 | 4.800 | 102 | 20.833 | 407 |
| | 12 | 26.2 | 3.846 | 102 | 26. | 280 |
| 28 | 6 | 10.9 | 8.000 | 88 | 12.5 | 177 |
| | 7 | 12.8 | 6.857 | 88 | 14.583 | 334 |
| | 8 | 14.6 | 6.000 | 88 | 16.666 | 402 |
| | 9 | 16.4 | 5.333 | 88 | 18.75 | 170 |
| | 10 | 18.2 | 4.800 | 88 | 20.833 | 450 |
| | 12 | 22.8 | 3.846 | 88 | 26. | 280 |

PRESSED BRICK SIDING—28" Wide

| Gauge | Feet | | | | | Sheets |
|----------|------|-----|-------|----|--------|--------|
| 28 Galv. | 5 | 7.4 | 8.571 | 78 | 11.667 | 2340 |
| 28 Ptd. | 5 | 9.1 | 8.571 | 64 | 11.667 | 480 |

CORRUGATED RIDGE ROLL—2½" Corrugated Galvanized

| Gauge | Girth | Lengths | Average Stock Cleveland |
|-------|-------|---------|-------------------------|
| 22 | 14" | 26" | 500 |
| 26 | 14" | 26" | 800 |

We carry in stock nails both Galvanized and Plain and Lead Washers, also Clips for applying Corrugated Sheets.

"Everything Used in Sheet Metal Work"

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0804

GALVANIZED ROLL ROOFING

| U. S. Gauge | Quality | Est. Weight per Square | Average Stock Cleveland |
|-------------|---------|---------------------------|----------------------------|
| Gauge | | | Rolls |
| 28 | Steel | 88 | 228 |
| 29 | Steel | 81 | 222 |
| 28 | Armco | 88 | 135 |

OSBORN'S

Open Hearth Copper Bearing Terne Roofing Plate

Being one of the largest terne and tin plate distributors in the country, we have been referred to as "The Tin Plate House." Most all of the following brands have been successfully marketed since the beginning of the tin plate industry in this country. We guarantee and fully stand back of any plates bearing our brand. Our 40 lb. also carried in 14x28" and 24x28" size.

| Brand | Wgt. Coat- ing | Fin- ish | Average Stock | | |
|------------------|----------------------|-------------|---------------|-------------|-------------|
| | | | Cleveland | | Buffalo |
| | | | IC Boxes | IX Boxes | IC Boxes |
| Osb. Guar. O. S. | 40 | Oil | 362 | 82 | 48 |
| Osb. Guar. O. S. | 40 | Dry | 200 | 92 | ..... |
| Osb. Star O. S. | 25 | Oil | 283 | 54 | ..... |
| Osb. Star O. S. | 25 | Dry | 241 | 49 | ..... |
| Nava O. S. | 20 | Dry | 164 | ..... | 15 |
| Santiago O. S. | 15 | Oil | 142 | ..... | ..... |
| Eureka | 8 | Oil | 154 | ..... | 11 |
| 8 lb. Seconds | ..... | ..... | ..... | 50 | ..... |

Terne Roofing Plate—Other than Our Own Brands

| | | | | | |
|------------------------------|-------|-----|----|-------|-------|
| Taylor's Target and Arrow | ..... | Oil | 30 | 10 | ..... |
| Scott's Extra Coated | 40 | Oil | 50 | 15 | ..... |
| Follansbee Forge | ..... | Dry | 25 | ..... | ..... |

All above 112 sheets per box.

ROOFING TIN IN ROLLS—Painted Two Sides

Any of the above brands can be furnished made up in rolls 14", 20" or 28" wide and painted either one or two sides. We carry in stock the following, made up 28 sheets 20x28 to the roll (approximately one square) painted 2 sides.

| Brand | Rolls in Stock | | | | | |
|-------------------|------------------|-----------------|------------------|-----------------|------------------|-----------------|
| | Cleve. 14-in. | Buff. 14-in. | Cleve. 20-in. | Buff. 20-in. | Cleve. 28-in. | Buff. 28-in. |
| 40 lb. Osb. Guar. | 500 | 29 | 400 | 24 | 80 | ..... |
| 25 lb. Osb. Star | 300 | 10 | 200 | ..... | 60 | ..... |
| 20 lb. Osb. Nava | 250 | 30 | 200 | 18 | 40 | ..... |
| 8 lb. Special | 400 | ..... | 150 | ..... | 90 | ..... |

Approximate Lengths—14"—86 ft.; 20"—63 ft.; 28"—45 ft.

THE J. M. & L. A. OSBORN COMPANY

OSBORN'S STANDARD FIRE DOOR TERNES

This brand is made in exact accordance with the specifications of the Underwriters Laboratories, Chicago, for use on tin clad fire doors, trap doors and shutters.

| Gauge | Weight Coating | Size | Average Stock | |
|-------|----------------|-------|---------------|---------|
| | | | Cleve'd | Buffalo |
| 1C | 20 | 14x20 | 200 | 47 |
| 1C | 20 | 20x28 | 150 | ..... |

PERFORATED TIN

| Base Weight | Gauge | Size | Number | Holes per Lineal Inch | Grade | Avg. Stk Cleve'd |
|-------------|-------|-------|--------|-----------------------|--------------|------------------|
| 107 | 1C | 14x20 | No. 1 | 18 | Extra Fine | 6 |
| 107 | 1C | 14x20 | No. 2 | 15 | Fine | 5 |
| 107 | 1C | 14x20 | No. 3 | 12 | Medium | 15 |
| 107 | 1C | 14x20 | No. 4 | 9 | Coarse | 14 |
| 107 | 1C | 14x20 | No. 5 | 8 | Med. Coarse | 9 |
| 107 | 1C | 14x20 | No. 6 | 7 | Extra Coarse | 4 |
| 135 | 1X | 20x28 | No. 5 | 8 | Med. Coarse | 7 |
| 155 | 2X | 20x28 | No. 5 | 8 | Med. Coarse | 5 |
| 175 | 3X | 20x28 | No. 5 | 8 | Med. Coarse | 5 |

All the above packed 112 sheets per box. Perforated tin carried in open stock.

CHARCOAL BRIGHT TIN PLATE

A pure tin coated tin plate used for kitchen utensils, kettles, etc. "A" denotes quality and weight of pure tin coating. 3A and 4A quality comes tissue packed.

| Base | Gauge | Qual. | Brand | Size | Sheets per Box | Avg. Stock Cleve'd |
|------|-------|-------|---------------|-------|----------------|--------------------|
| Wt. | | | | | | Boxes |
| 135 | 1X | A | Charcoal | 20x28 | 112 | 17 |
| 155 | 2X | ..... | Charcoal | 20x28 | 56 | 14 |
| 107 | 1C | AA | Osborn Bright | 20x28 | 112 | 18 |
| 135 | 1X | ..... | Osborn Bright | 20x28 | 112 | 39 |
| 155 | 2X | ..... | Osborn Bright | 20x28 | 56 | 30 |
| 175 | 3X | ..... | Osborn Bright | 20x28 | 56 | 40 |
| 195 | 4X | ..... | Osborn Bright | 20x28 | 56 | 37 |
| 107 | 1C | AAA | Golden Star | 20x28 | 112 | 8 |
| 135 | 1X | ..... | Golden Star | 20x28 | 112 | 15 |
| 155 | 2X | ..... | Golden Star | 20x28 | 56 | 29 |
| 175 | 3X | ..... | Golden Star | 20x28 | 56 | 57 |
| 195 | 4X | ..... | Golden Star | 20x28 | 56 | 27 |

3A quality only carried in open stock.

"Everything Used in Sheet Metal Work"

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CHARCOAL BRIGHT TIN PLATE —Continued.

| Base Wgt. | Gauge | Qual. | Brand | Size | Sheets per Box | Avg. Stock Cleve'd |
|-----------|-------|-------|--------------|-------|----------------|--------------------|
| 107 | 1C | AAAA | Extra Bright | 20x28 | 112 | Boxes 13 |
| 135 | 1X | ..... | Extra Bright | 20x28 | 112 | 30 |
| 155 | 2X | ..... | Extra Bright | 20x28 | 56 | 15 |
| 175 | 3X | ..... | Extra Bright | 20x28 | 56 | 16 |
| 195 | 4X | ..... | Extra Bright | 20x28 | 56 | 15 |
| 155 | 2X | AAA | Golden Star | 14x24 | 112 | 20 |

BRIGHT COKE TIN PLATE

| Base Wt. | Ga. | Size | Shts. | Nearest U. S. Std. Ga. | Cleveland | | Buffalo | |
|-------------|-----|---------|-------|------------------------------|-----------|--------|---------|-------|
| | | | | | Primes | Sec's. | Primes | Sec's |
| 55 | ICL | 20x28 | 225 | 38 | 42 | ..... | ..... | ..... |
| 65 | ICL | 20x28 | 112 | 36 | 27 | 10 | ..... | 23 |
| 90 | ICL | 20x28 | 112 | 31 | 39 | 9 | ..... | ..... |
| 100 | ICL | 20x26½ | 112 | 30½ | 75 | 20 | 16 | 2 |
| 100 | ICL | 20x28 | 112 | 30½ | 112 | 250 | 57 | 15 |
| 100 | ICL | 20x29½ | 112 | 30½ | 175 | 50 | 25 | 10 |
| 100 | ICL | 20x32½ | 112 | 30½ | 59 | 50 | ..... | ..... |
| 100 | ICL | 24x26½ | 112 | 30½ | 48 | 18 | 10 | 1 |
| 100 | ICL | 24x28 | 112 | 30½ | 33 | 10 | 12 | 6 |
| 100 | ICL | 24x29½ | 112 | 30½ | 71 | 15 | 19 | 9 |
| 100 | ICL | 24x32½ | 112 | 30½ | 42 | 10 | 23 | 12 |
| 107 | IC | 13¼x26 | 112 | 30 | 15 | ..... | ..... | ..... |
| 107 | IC | 14x29½ | 112 | 30 | 40 | ..... | ..... | ..... |
| 107 | IC | 14½x31½ | 112 | 30 | 25 | ..... | ..... | ..... |
| 107 | IC | 20x28 | 112 | 30 | 144 | 115 | 35 | 29 |
| 107 | IC | 20x29½ | 112 | 30 | 76 | 12 | ..... | ..... |
| 107 | IC | 20x32½ | 112 | 30 | 79 | 14 | ..... | ..... |
| 107 | IC | 20x38½ | 56 | 30 | 71 | 10 | ..... | ..... |
| 107 | IC | 24x28 | 112 | 30 | 57 | 15 | ..... | ..... |
| 107 | IC | 24x29½ | 112 | 30 | 47 | 9 | ..... | ..... |
| 107 | IC | 24x32½ | 56 | 30 | 88 | 15 | 18 | 10 |
| 107 | IC | 24x38½ | 56 | 30 | 21 | 3 | ..... | ..... |
| 118 | IXL | 20x42½ | 56 | 29 | 42 | ..... | ..... | ..... |
| 128 | IXL | 20x28 | 112 | 28 | 102 | 97 | ..... | ..... |
| 128 | IXL | 20x29½ | 112 | 28 | 35 | 11 | ..... | ..... |
| 128 | IXL | 20x32½ | 56 | 28 | 65 | 25 | ..... | ..... |
| 128 | IXL | 20x39 | 56 | 28 | 26 | 10 | ..... | ..... |
| 128 | IXL | 20x39½ | 56 | 28 | 76 | 16 | ..... | ..... |
| 128 | IXL | 24x29½ | 56 | 28 | 9 | 7 | ..... | ..... |
| 128 | IXL | 24x32½ | 56 | 28 | 54 | 30 | ..... | ..... |
| 128 | IXL | 24x39 | 56 | 28 | 77 | 22 | ..... | ..... |
| 135 | IX | 20x28 | 112 | 28 | 42 | 7 | ..... | ..... |
| 135 | IX | 20x32½ | 56 | 28 | 50 | 10 | ..... | ..... |
| 135 | IX | 20x39 | 56 | 28 | 86 | 4 | ..... | ..... |
| 135 | IX | 24x32½ | 56 | 28 | 41 | 26 | ..... | ..... |
| 135 | IX | 24x39 | 56 | 28 | 47 | 13 | ..... | ..... |
| 155 | 2X | 20x28 | 56 | 27 | 76 | 43 | | |
| 175 | 3X | 20x28 | 56 | 26 | 88 | 19 | | |
| 195 | 4X | 20x28 | 56 | 25 | 50 | 15 | | |
| 268 | D4X | 20x28 | 56 | 22 | 10 | | | |

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We now carry in stock and are jobbers of this line of welding and cutting equipment, which includes the patented, "U. S." Automatic Welding Torch.

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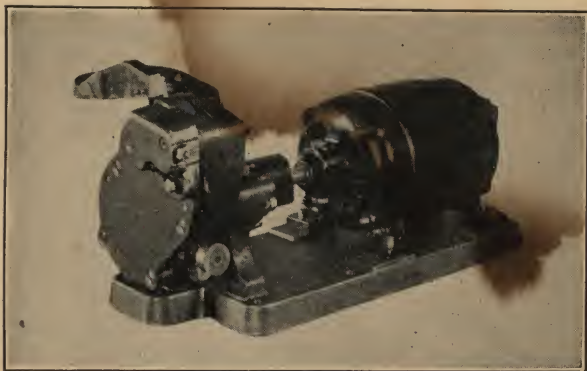
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Model A-10

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300.00 with 110 or 220-volt A. C. Motor.**

This new machine is similar to the original Model A-14 Unishear except heavier in construction. Capacity 10 U. S. Gauge Cold Rolled Steel. Minimum radius 6". Speed up to 10 ft. per minute. Equipped with $\frac{3}{4}$ H. P. G. E. Motor either A. C. or D. C. Weight 165 #.

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Model O-54 (54" throat) on Stand

Price \$535.00; with stand \$580.00

By throwing over the small lever shown at top of upper blade, this blade is raised permitting a sheet to pass between blades and cutting anywhere inside of sheet. A great labor saver for sign manufacturers, in cutting out letters. Capacity, 14 U. S. Gauge Cold Rolled Steel. Minimum radius $\frac{1}{8}$ ". Speed up to 15 ft. per minute. Equipped with $\frac{1}{4}$ H. P. G. E. Motor either A. C. or D. C. Weight 900 #. Also made with 36" and 15" throats.

Carried in stock.

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In Stock

For Immediate Shipment

| | |
|--|-----------|
| 1— #10140 Chicago Steel Single Housing Press Brake Double Geared and Non-Deflecting Bed, equipped with Type F.T. 10 H.P. 1800 R.P.M. G. E. Motor including CR-7006-D5 Switch and Push Button Starter for 220 volt 60 cycle 3 phase current. Motor and Starting equipment mounted on Press. With 2 set of shaft coupling one on each side of adjusting motor. Also hand wheel for adjusting. Peek hole to locate bottom of Pitman Screws, 10 gauge capacity. 10 foot long | \$3355.00 |
| 1—No. 296 Niagara Power Squaring Shear, complete with motor, belt and push button starter station for 220 volt 60 cycle 3 phase current, capacity 14 gauge and lighter, 8 foot long..... | 1177.00 |
| 1—No. 5 Niagara Inclinalable Plain Power Press..... | 454.00 |
| 1—No. 10-M Marshalltown Throatless Shear, complete with motor and push button starter station for 220 volt 60 cycle 3 phase current, capacity 10 gauge and lighter | 350.00 |
| 1—No. 114-P Marshalltown Throatless Shear for belt drive, capacity $\frac{1}{4}$ " and lighter..... | 415.00 |
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| 1—12" 3 H.P. Black & Decker Heavy Duty Grinder with universal Guards and Adjustable Tool Rests, for 220 volt 60 cycle 3 phase current..... | 295.00 |
| 1—No. 118 Junior Federal Spot Welder, 18" throat, 12½ K. W. for 220 volt 60 cycle 3 phase current..... | 460.00 |
| 1—No. 196-F Niagara Foot Power Square Shear, capacity 18 gauge and lighter, 8 foot long..... | 511.00 |

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